



BOERBOK GENETIC REPORT

21 September 2026



MK GOAT FARM

FDM : 9114



CERTIFICATE
OF QUALITY

Valid up to
October 2029

 **SA** STAMBOEK
STUD BOOK
'n Storie met twee kante

General Information

This **Genetic Report** of your flock enables you to determine the genetic merit and potential of the animals in your herd relative to that of the breed. An animal's performance is determined by two factors, namely the environment and genetics. Good nutrition and management can improve performance, but an animal cannot perform better than its genetic potential. Superior performance due to the environment cannot be carried over to the next generation. It is therefore extremely important not to neglect genetic progress of your flock. Due to the interaction between environment and genetics, it is difficult to identify genetically superior animals on performance data. Estimated Breeding Values (EBVs) are therefore predicted for every animal to determine its genetic potential, as well as its worth as a parent for the next generation. Through the use of EBVs, animals can be compared fairly **within the breed**, therefore across herds, years and production systems. Results presented in this report allow the breeder to identify the underlying genetics of the animals.

Genetic parameters

Genetic parameters (heritability and genetic correlations) are estimated on a breed-basis and are required for the prediction of breeding values. The **heritability** refers to the portion of the variation of a trait in a population that is due to transferrable genetics (the rest of the variation can be attributed to the environment and non-transferrable genetics). Some traits are genetically correlated, which means that a change in one trait will lead to changes in other traits. The strength of this association amongst traits is referred to as a **genetic correlations** and can be desirable or undesirable.

Breeding Values

The prediction of EBVs makes use of performance recordings of the animal as well as those of its relatives, pedigree information and genetic parameters. The deviation of the animal's measurement relative to the average of its contemporary group, forms the basis for identifying the animal's genetic potential for the trait. A **contemporary group** is a group of animals that have been exposed to the same environmental and biological effects, including herd, year, sex and age effects. After adjusting for differences in these effects, animals can fairly be compared and the difference in performance that still persist are then assumed to be due to differences in the genetic merit of the animals.

The EBV predicted for an animal at birth and until it has been measured, is the average EBV of its parents, since the animal received half of its genes from each parent. This mid-parent value makes the assumption that the same half of the parents' genes are carried over to all their offspring. In reality, each offspring receives a random sample of each parent's genes,

therefore mid-parent EBVs are still of low accuracy, but it does indicate the genetic level that can be expected due its parental history. An animal's true genetic merit can be predicted more accurately as more information becomes available, eg. when the animal has been measured or when the number of relatives with measurements increases. Estimated breeding values therefore change over time as more information becomes available. EBVs of animals are published with an **accuracy** (%), which indicates how much information was available for the estimation of breeding values and therefore the confidence with which a breeder can use it. Factors that influence the accuracy of an EBV are the heritability of the trait, the number of measured relatives, the size of the contemporary group, the precision with which the measurements were taken and the completeness of pedigree information. An EBV with an accuracy of 85% or more is less likely to change significantly with subsequent genetic analyses.

Interpretation of breeding values

EBVs are expressed around a **base year** (5 years ago), which means that the average breeding value of the base year is set as zero and all breeding values are expressed relative to this average. An animal with an EBV of +1kg for weaning weight is therefore genetically superior by 1kg compared to an average animal born in the base year. EBVs therefore express genetic merit of animals relative to each other. The true performance of an animal cannot be calculated from the EBV, but it enables the breeder to know which animals will make a better contribution to the next generation. For easier interpretation EBVs are also expressed as breeding value indices. For these indices the average value of the **active population** is set as 100 with a standard deviation of 12. An index of 76 therefore indicates that the animal is 2 standard deviations below the average and an index of 112 indicates that the animal is 1 standard deviation above the average of the active population for the specific trait. Please note that negative EBVs are favourable for Inter-Lambing Period and Age at First Lambing, therefore shorter inter-lambing periods and younger ages at first lambing indicates better fertility. However, breeding value indices are expressed in the same way for all traits, therefore higher indices indicates desirability for the traits and lower indices are undesirable. This makes it easy to identify superior animals for all traits.

The data used in this evaluation has been obtained from LOGIX, as supplied by breeders. Everything possible had been done to present the information correctly. SA Stud Book does not take any responsibility for the use and interpretation of the information from this publication.

Selection Indices

It is easy to select on a single trait, but that is not the best approach to follow. Selecting on only one trait can lead to the deterioration of performance in other traits due to genetic correlations. There are different traits that are important, some being more important than others. A selection index combines multiple traits, each with an economic weight to take the different levels of importance into account. EBVs for different traits cannot simply be added together, since the unit of measurement and range of the values differ and in some cases negative values are favoured. These factors are accounted for in the compilation of a selection index. An overall selection index includes EBVs of all the traits of economic importance, while other selection indices are more focused on specific breeding objectives. Selection indices are expressed around 100, with 100 being the average of the active population, with a standard deviation of 12. A selection index of 124 is therefore 2 standard deviations above the average and an index of 88 is one standard deviation below the average of the active animals of the population.

Two Indices are constructed for the Boer Goat breed, namely the Logix Merit Index and the Reproduction Index. These indices, their purpose and the contribution of the different traits to the indices are summarised as follows :

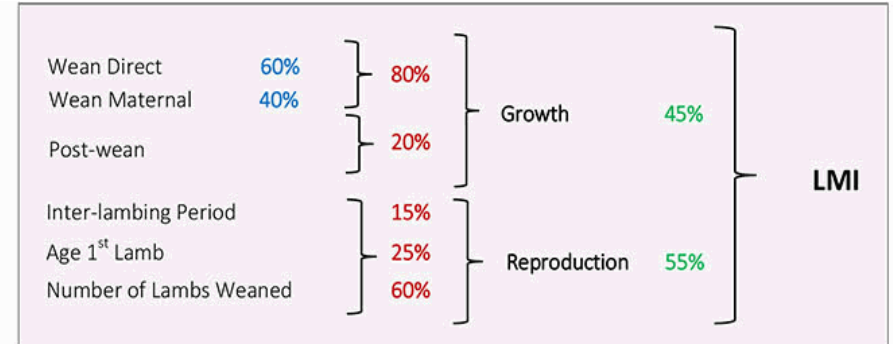
Logix Merit Index (LMI)

This index combines all the traits to select for a balanced, profitable animal that is fertile and delivers a desirable level of production. Selection based on the LMI will lead to breeding of balanced animals that will have the genetic potential to wean at a heavier weight (both due to its own potential and having dams that produce sufficient milk), lambs at an early age, lambs regularly and give multiple lambs. This value is especially important for sustainability, which requires the selection of good, productive replacement animals for the flock.

The LMI is constructed as follows :

$$LMI = (0.1375 * AFL) + (0.0825 * ILP) + (0.216 * Wean Dir) + (0.144 * Wean Mat) + (0.33 * N_Lambs_Weaned) + (0.09 * Post-Wean Dir)$$

Schematically the LMI can be explained as follows :



Reproduction Index (RI)

This index includes Weaning Maternal, Number of Lambs Weaned, Age at First Lambing and Inter-lambing Period. This is especially an important index to consider in the development of a dam line.

The RI is constructed as follows :

$$(0.2 * AFL) + (0.2 * ILP) + (0.3 * Wean Mat) + (0.3 * N_Lambs_Weaned)$$

Schematically it can be explained as follows :



It is always important to consider the traits that contribute to the index individually when selection of animals is based on indices. It sometimes happen that an animal receives a good index due to its exceptional genetic merit of a specific trait, while some of the other traits of the animal in the index might be at undesirable levels for the specific flock's breeding objective, but masked in the index due to the exceptionality of that trait. A sound procedure is to rank animals based on the relevant selection index and then eliminate animals from the list that do not conform towards the flock's breeding objectives when considering the individual traits. Make use of all the available information.

Active Genetic Levels

Genetic Averages : Breeding Values

Trait	Flock			Breed		
	All	Rams	Ewes	All	Rams	Ewes
Weaning Weight Direct	0.47	0.53	0.34	-0.06	-0.01	-0.09
Weaning Weight Maternal	-0.07	-0.06	-0.09	-0.02	-0.03	-0.02
Weaning Weight Combined	0.16	0.20	0.08	-0.06	-0.03	-0.07
Post-wean Weight	1.35	1.42	1.21	0.50	0.58	0.45
Number Lambs Weaned	-1.13	-1.21	-0.96	-0.36	-0.55	-0.26
Total Weight Weaned	-0.28	-0.26	-0.33	-0.31	-0.37	-0.27
Age at First Lambing	3.25	3.44	2.87	-0.30	-0.22	-0.35
Inter-lambing Period	-0.45	-0.82	0.31	0.15	0.19	0.13
Selection Indices						
Logix Merit Index	101	101	100	101	100	101
Reproduction Index	98	98	98	102	101	102
Inbreeding						
Inbreeding (%)	4.61	4.98	3.93	5.54	5.93	5.34
Number of Animals						
Number of Animals	37	24	13	49286	16616	32526

** Averages of all active animals in the flock.

Breeding Value Indices

Trait	Flock **		
	All	Rams	Ewes
Weaning Weight Direct	104.9	105.7	103.5
Weaning Weight Maternal	99.0	99.2	98.5
Weaning Weight Comb	103.1	103.8	101.6
Post-wean Weight	104.5	105.0	103.6
Number Lambs Weaned	98.1	97.7	98.9
Total Weight Weaned	100.9	101.0	100.6
Age First Lambing	95.6	95.4	96.1
Interlambing Period	103.1	104.1	101.0
Selection Indices			
Logix Merit Index	100.7	101.0	100.1
Ewe Index	98.0	98.2	97.6
Growth Index	104.7	105.3	103.5
Inbreeding			
Inbreeding (%)	4.61	4.98	3.93
Number of Animals			
Number of Animals	37	24	13

** Averages of all active animals in the flock.

Inbreeding

Inbreeding primarily leads to decreased fertility and low survivability of lambs. The effects of inbreeding can be observed from 6.25% onwards. It is therefore highly recommended to record pedigree information as accurately and completely as possible and to use a selection programme for selection of unrelated rams.

Incomplete or incorrect pedigree information can be reported to SA Stud Book. Inbreeding is dependent on pedigree information. Conventional methods for the Calculation of inbreeding coefficients usually assume that unknown parents are unrelated. However, this is usually far from the truth. An algorithm is used for the calculation of inbreeding, where the average inbreeding coefficient is assigned to unknown parents based on the generation in which they were born. This result is a more accurate reflection of inbreeding of the herd and breed.

Inbreeding Levels for Specific Matings

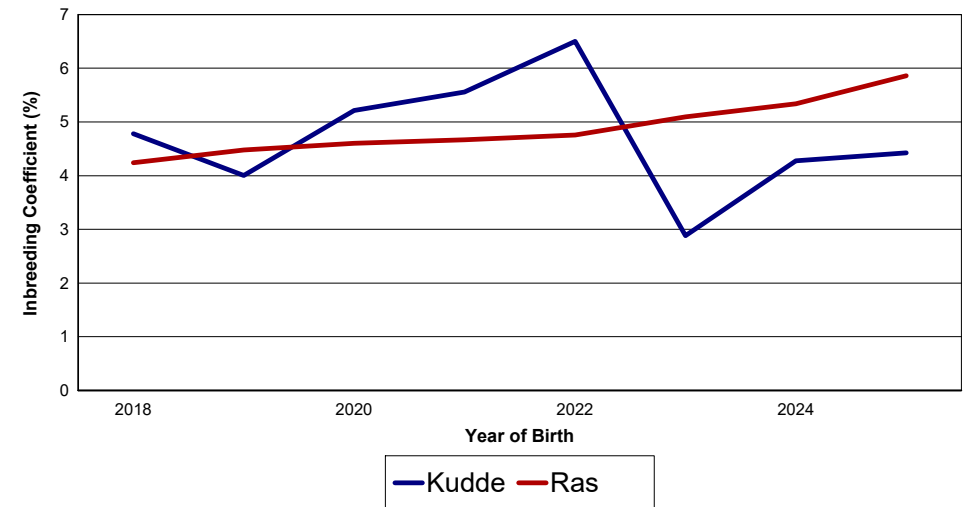
Progeny with Parents :	25%
Full Brother x Full Sister :	25%
Half Brother x Half Sister :	12.5%
One Common Grandparent :	6.25%
One Common Great-Grandparent :	3.125%

Level and Rate of Inbreeding

Year of Birth	Level* (%)	Rate (% / year)
2018 - 2025	4.42	-0.05
Recommended:	< 6.25	< 0.1 - 0.2

*Of the last year of birth

Average Inbreeding per Year of Birth

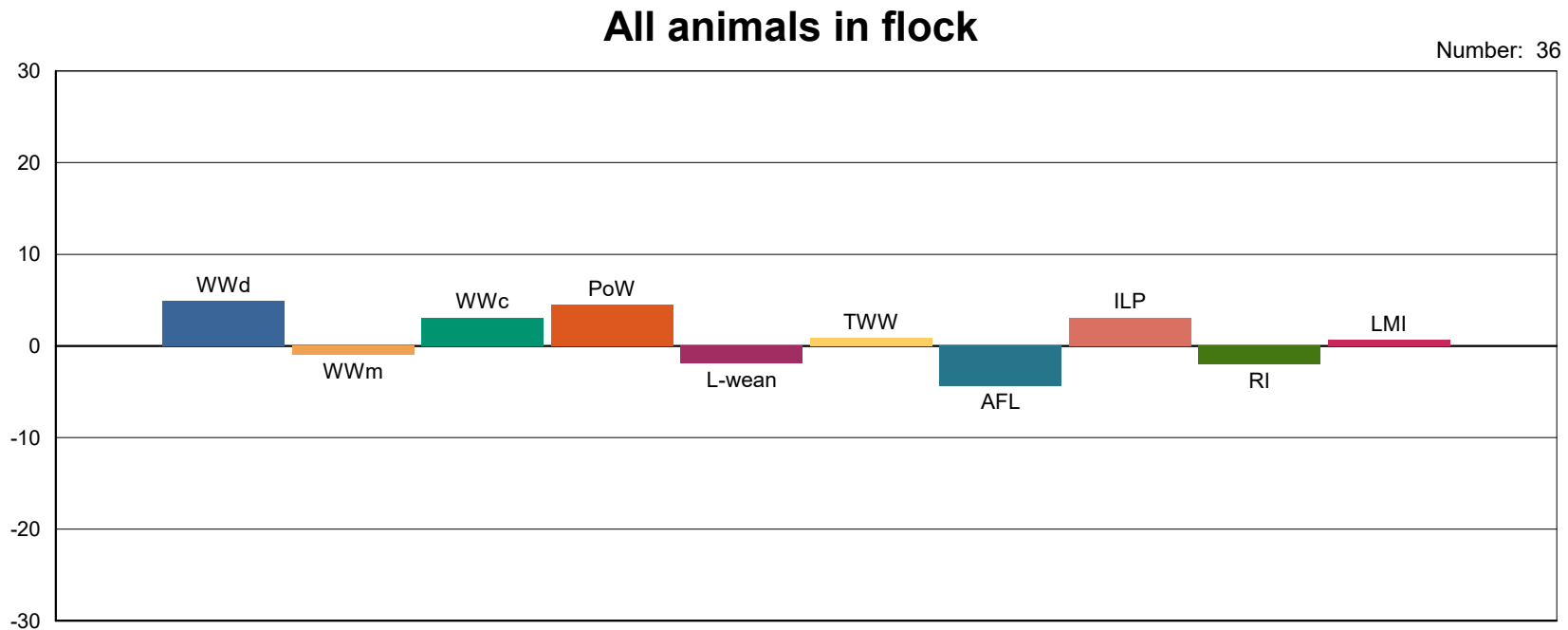


Pedigree Information

	Number	%
Known Sires	36	97
Known Dams	36	97

Note: Inbreeding can be under-estimated if pedigree information is incomplete or incorrect

Genetic Windows



WWd: Weaning Weight Direct
WWm: Weaning Weight Maternal
WWc: Weaning Weight Combined
PoW: Post-Wean Weight
L-wean: Number of Lambs Weaned
TWW: Total Weight Weaned
AFL: Age at First Lambing
ILP: Inter-lambing Period
RI: Reproduction Index
LMI: Logix Merit Index

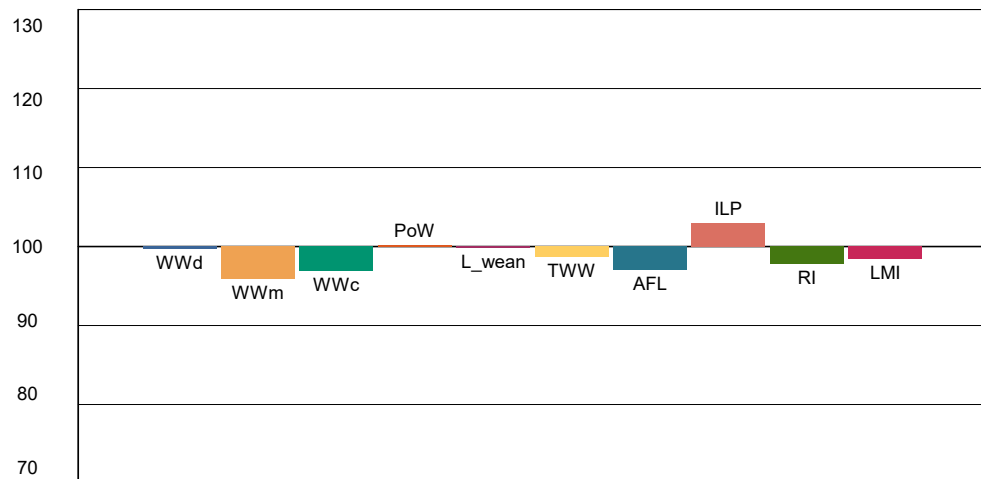
The genetic windows allow a quick overview of the genetic status of the flock compared to the breed. The values presented here are the average EBV indices of all the active animals of the flock, of the dams and sires of the active animals of the flock, as well as of the ewes and rams that are younger than 2-years old. An index of 100 is equal to the average of the active measured population. Due to the higher selection intensity on rams (selection is more strict since a much smaller percentage of young animals are retained in the flock), the expectation is for the average index of the sires to be higher than that of the dams.

Remember that the EBV index for AFL and ILP are presented in such a way that an index above 100 indicates animals that have a lower EBV for these traits.

Genetic Windows

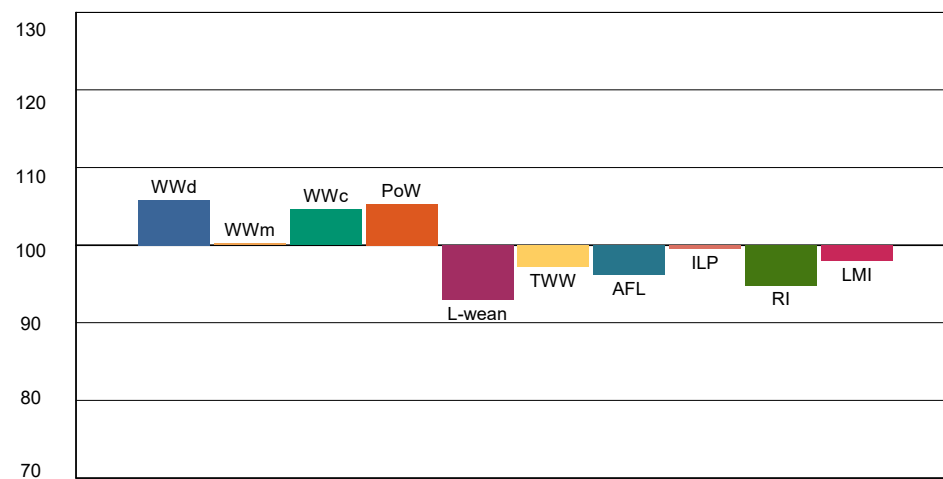
Dams

Number: 21



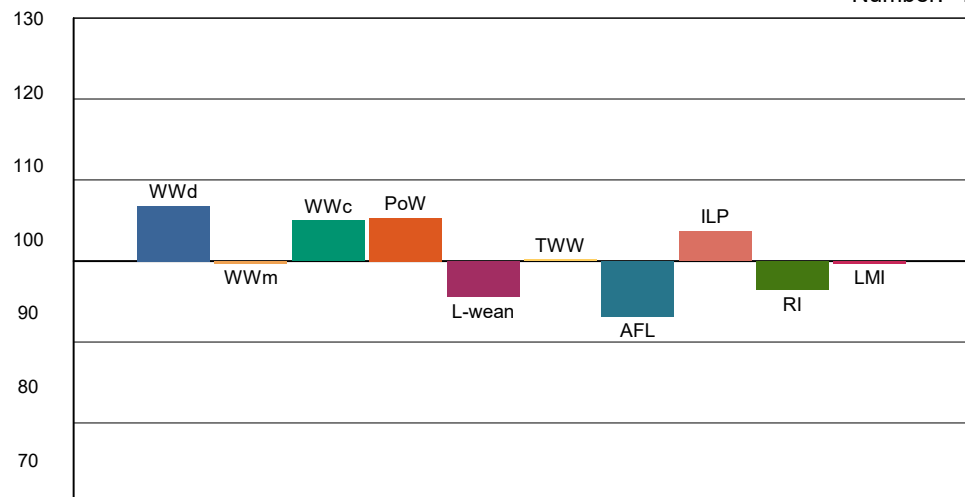
Sires

Number: 16



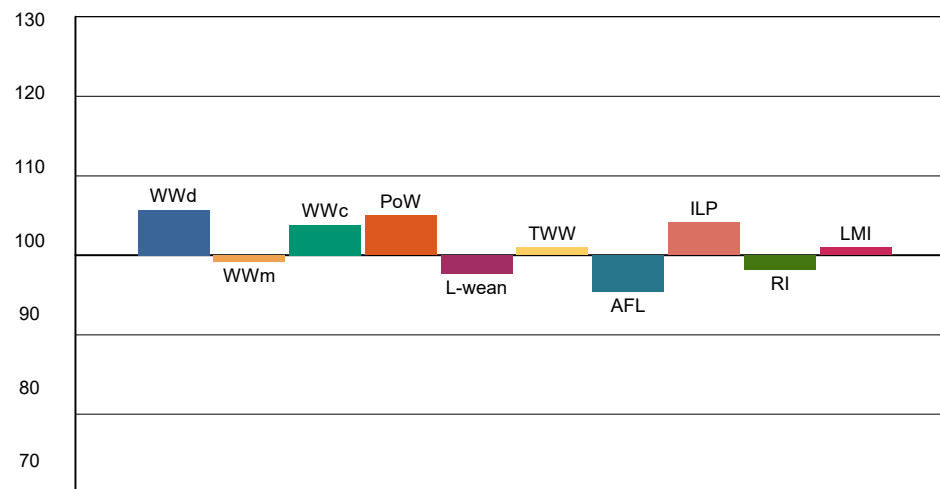
Young Ewes

Number: 4



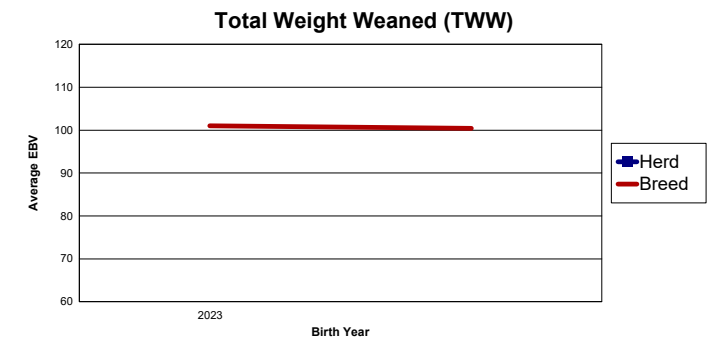
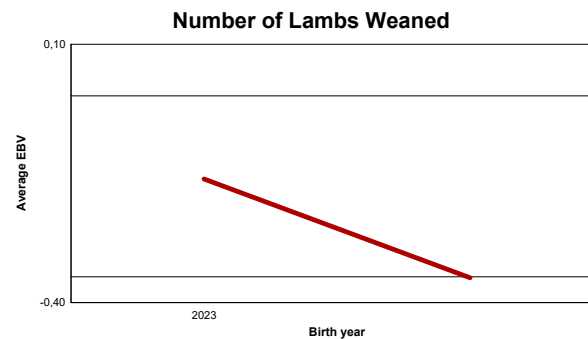
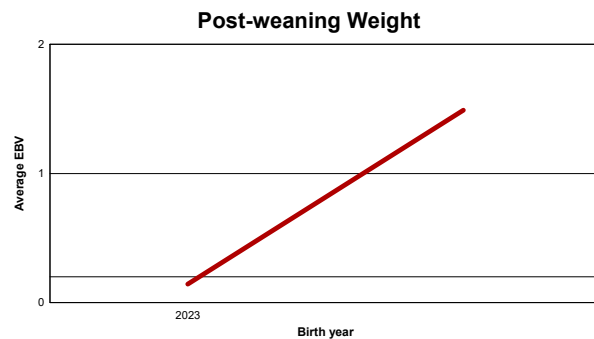
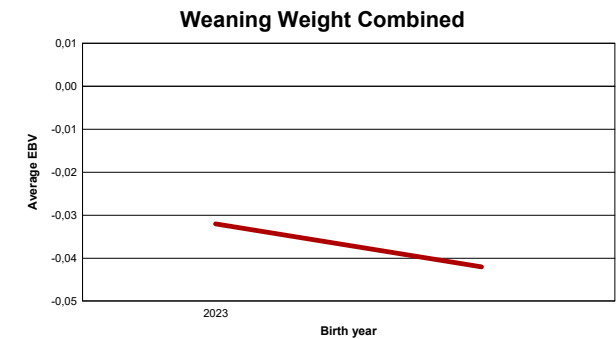
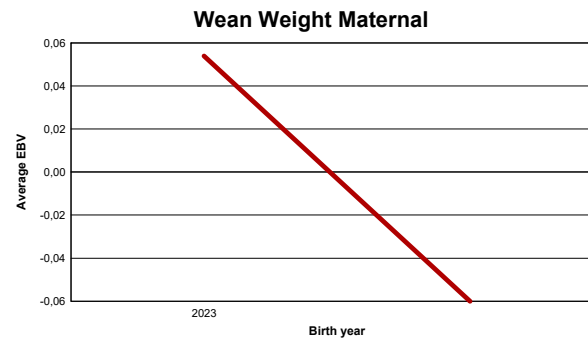
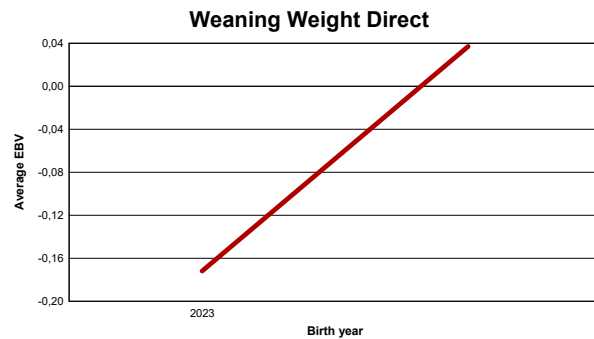
Young Rams

Number: 24



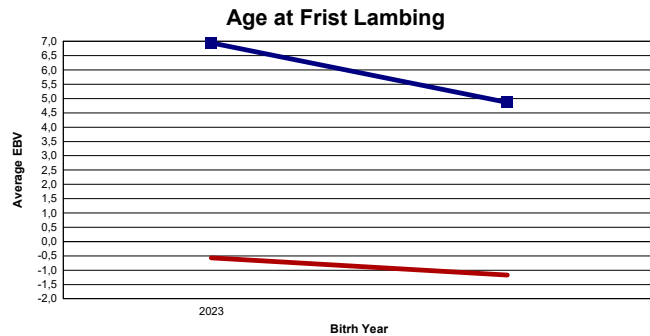
Genetic Trends

Genetic trends are based on measured animals that were bred by the specific breeder.

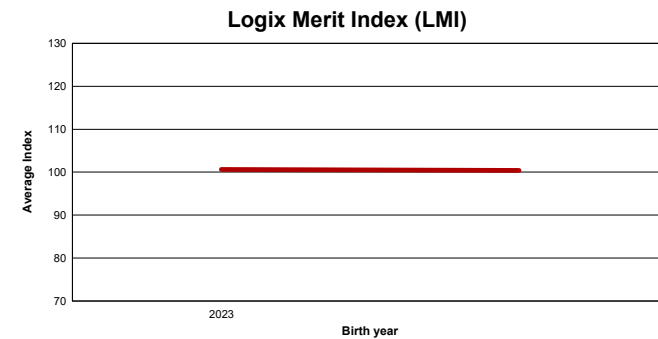
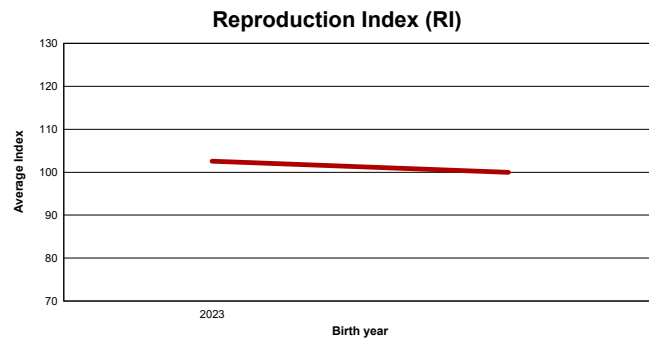
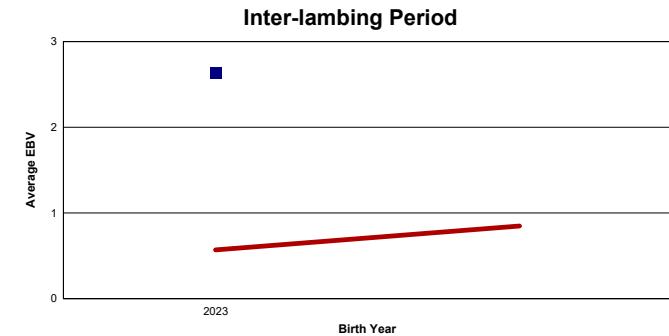


Genetic Trends

Genetic trends are based on measured animals that were bred by the specific breeder.



For AFL and ILP flock genetic trends below breed averages are desirable.



Genetic Trends of Breed

Birth year	Weaning Weight EBV				Post-wean		Lambs Weaned		TWW		AFL		ILP		RI		LMI	
	Number	Dir	Mat	Comb	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV
2013	1336	-0.37	0.02	-0.17	108	0.51	508	0.24	1336	100	1078	-2.27	653	0.70	1336	103	1336	100
2014	1007	-0.37	-0.07	-0.26	58	-0.17	671	0.13	1007	99	1072	-1.16	661	0.26	1007	100	1007	97
2015	1626	-0.20	0.08	-0.02	233	1.23	705	0.74	1626	104	1180	-1.69	715	0.18	1626	106	1626	104
2016	1804	-0.26	0.04	-0.09	239	0.72	791	0.07	1804	102	1291	-1.49	887	0.13	1804	104	1804	102
2017	2163	-0.29	-0.02	-0.17	313	1.21	825	0.29	2120	99	1404	-1.53	992	0.29	2120	102	2120	99
2018	2547	-0.28	0.07	-0.07	236	0.58	909	0.35	2519	101	1853	-0.08	1275	-0.77	2519	104	2519	101
2019	2144	-0.01	0.02	0.01	254	0.24	889	0.13	2138	102	2101	-0.70	1389	0.07	2138	102	2138	102
2020	2459	-0.10	0.04	-0.01	436	-0.69	864	0.14	2459	102	2740	-0.11	1744	-0.19	2459	102	2459	101
2021	1759	0.00	0.00	0.00	330	0.00	823	-0.01	1759	103	3094	0.00	1960	0.00	1759	104	1759	104
2022	2519	-0.07	0.05	0.02	427	0.54	802	-0.40	2519	102	3449	-0.76	1843	0.46	2519	103	2519	102
2023	2896	-0.17	0.05	-0.03	465	-0.06	570	-0.16	2894	101	3098	-0.57	1076	0.57	2894	103	2894	101
2024	3036	0.04	-0.06	-0.04	414	1.29	196	-0.35	3035	100	1825	-1.17	154	0.85	3035	100	3035	100
2025	2284	0.15	-0.01	0.07	476	1.04			2283	103	82	-1.16			2283	101	2283	102

Genetic Trends of Flock

Birth year	Weaning Weight EBV				Post-Wean		Lambs Weaned		TWW		AFL		ILP		RI		LMI	
	Number	Dir	Mat	Comb	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV	Number	EBV
2023											2	6.95	1	2.63				
2024											2	4.86						

Breeding Value & Selection Index Percentiles

The percentiles indicate the ranking of the animals' EBVs and Selection Indices within the active population.

For example, if an animal's EBV for a specific trait falls between the maximum and 99% percentile of the trait, it means that this animal ranks in the top 1% of the active population, or this animal's genetic merit for the trait is better than 99% of that of the active population.

Should the EBV for a specific trait falls between the 5% and 10% percentile, it means that the animal ranks in the bottom 10% of the active population for the specific trait, or the animal's genetic merit is worse than 90% of the active population.

Note that the percentiles for Age at First Lambing and Inter-lambing Period EBVs work on the reverse scale.

All Active Animals

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.06	0.74	-4.91	-1.74	-1.04	-0.83	-0.65	-0.57	-0.48	-0.32	-0.16	0.02	0.22	0.35	0.51	0.91	1.28	2.04	4.89
Weaning Weight Maternal	-0.02	0.33	-2.29	-0.90	-0.58	-0.43	-0.26	-0.20	-0.15	-0.07	0.00	0.06	0.11	0.15	0.20	0.35	0.49	0.86	2.30
Weaning Weight Combined	-0.06	0.49	-2.89	-1.24	-0.79	-0.58	-0.39	-0.33	-0.28	-0.21	-0.12	-0.01	0.12	0.20	0.29	0.58	0.84	1.32	3.11
Post-Wean Weight	0.50	1.23	-7.95	-2.29	-1.01	-0.67	-0.42	-0.31	-0.19	0.05	0.33	0.61	0.96	1.14	1.38	1.99	2.60	4.25	12.54
Number of Lambs Weaned	-0.36	2.06	-13.10	-5.70	-4.20	-3.30	-2.20	-1.70	-1.30	-0.50	0.10	0.60	1.10	1.30	1.40	1.60	2.00	3.80	11.20
Total Weight Weaned	-0.30	1.53	-9.52	-4.12	-2.96	-2.34	-1.52	-1.22	-0.94	-0.48	-0.12	0.16	0.38	0.52	0.74	1.37	2.06	3.69	8.21
Age at First Lambing	-0.30	-6.96	62.93	17.45	10.46	7.50	4.40	3.30	2.43	0.97	-0.37	-1.47	-2.89	-3.74	-4.73	-7.80	-10.96	-19.95	-75.66
Interlambing Period	0.15	-3.66	23.72	9.96	6.51	4.87	2.99	2.35	1.75	0.75	-0.15	-0.94	-1.75	-2.21	-2.71	-4.10	-5.38	-8.00	-21.68
Reproduction Index	102	10	49	75	84	88	94	96	98	101	103	105	107	108	109	112	114	121	146
Logix Merit Index	101	9	62	79	85	89	94	95	97	100	102	103	105	106	107	111	116	126	147

*SD : Standard Deviation. An indicator of how far breeding values/selection indices are distributed around the average.

Breeding Value & Selection Index Percentiles

All Active Rams

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.01	0.75	-4.91	-1.73	-0.99	-0.78	-0.60	-0.51	-0.41	-0.26	-0.09	0.07	0.30	0.42	0.57	0.96	1.32	2.10	3.75
Weaning Weight Maternal	-0.03	0.31	-1.73	-0.81	-0.55	-0.42	-0.26	-0.20	-0.16	-0.08	-0.01	0.05	0.11	0.14	0.19	0.33	0.45	0.76	1.79
Weaning Weight Combined	-0.03	0.46	-2.44	-1.09	-0.69	-0.51	-0.36	-0.31	-0.26	-0.19	-0.10	0.01	0.14	0.21	0.29	0.57	0.82	1.25	2.18
Post-Wean Weight	0.58	1.24	-7.95	-2.36	-0.94	-0.60	-0.33	-0.22	-0.10	0.17	0.45	0.71	1.06	1.24	1.48	2.06	2.64	4.24	12.54
Number of Lambs Weaned	-0.55	2.07	-8.30	-5.70	-4.40	-3.60	-2.40	-2.00	-1.50	-0.80	-0.20	0.40	0.80	1.10	1.30	1.60	1.90	3.60	8.30
Total Weight Weaned	-0.37	1.55	-5.94	-4.10	-3.06	-2.47	-1.65	-1.33	-1.05	-0.55	-0.18	0.11	0.37	0.50	0.72	1.35	2.01	3.69	7.18
Age at First Lambing	-0.22	-6.62	39.94	16.34	10.21	7.43	4.48	3.42	2.57	1.12	-0.29	-1.47	-2.85	-3.69	-4.63	-7.53	-10.44	-18.29	-65.44
Interlambing Period	0.19	-3.45	20.34	9.44	6.20	4.66	2.89	2.30	1.73	0.78	-0.11	-0.90	-1.67	-2.11	-2.61	-3.86	-4.98	-7.30	-14.85
Reproduction Index	101	9	55	76	83	88	93	95	97	100	103	105	107	108	109	111	114	120	135
Logix Merit Index	100	9	65	79	85	88	93	95	97	99	101	103	105	106	107	111	116	126	144

All Active Ewes

Trait	AVG	SA*	Min	Percentiles (%)															Max
				1	5	10	20	25	30	40	50	60	70	75	80	90	95	99	
Weaning Weight Direct	-0.09	0.74	-3.89	-1.74	-1.07	-0.86	-0.67	-0.60	-0.51	-0.36	-0.20	-0.02	0.19	0.31	0.47	0.88	1.27	2.00	4.89
Weaning Weight Direct	-0.02	0.34	-2.29	-0.94	-0.59	-0.44	-0.27	-0.20	-0.15	-0.07	0.00	0.06	0.12	0.16	0.21	0.37	0.52	0.89	2.30
Weaning Weight Combined	-0.07	0.50	-2.89	-1.31	-0.83	-0.62	-0.41	-0.34	-0.29	-0.22	-0.13	-0.02	0.11	0.19	0.29	0.58	0.85	1.36	3.11
Post-Wean Weight	0.46	1.22	-6.83	-2.27	-1.05	-0.70	-0.46	-0.36	-0.24	-0.01	0.27	0.55	0.90	1.09	1.33	1.96	2.58	4.25	8.78
Number of Lambs Weaned	-0.26	2.05	-13.10	-5.80	-4.10	-3.20	-2.00	-1.60	-1.10	-0.40	0.20	0.70	1.10	1.30	1.50	1.70	2.00	3.90	11.20
Total Weight Weaned	-0.27	1.52	-9.52	-4.15	-2.89	-2.26	-1.45	-1.16	-0.90	-0.44	-0.10	0.19	0.39	0.54	0.75	1.38	2.08	3.69	8.21
Age at First Lambing	-0.34	-7.13	62.93	18.10	10.67	7.55	4.36	3.23	2.34	0.88	-0.38	-1.48	-2.90	-3.76	-4.78	-7.95	-11.29	-20.92	-75.66
Interlambing Period	0.13	-3.78	23.72	10.31	6.69	4.98	3.03	2.38	1.76	0.73	-0.17	-0.94	-1.80	-2.27	-2.76	-4.23	-5.54	-8.30	-21.68
Reproduction Index	102	10	49	74	84	89	94	96	98	101	104	106	108	109	109	112	115	122	146
Logix Merit Index	101	9	62	79	86	89	94	96	97	100	102	103	105	106	107	111	116	126	147

*SD : Standard Deviation. An indicator of how far breeding values/selection indices are distributed around the average.

Rams

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information						Selection Indices			EBV - Weights						EBV - Fertility											
Animal ID Comp no.			Parents			% In-breeding	Logix Merit Index	Reproducti on	Wean Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam									
									Dir	Mat	Comb															
						Acc	EBV Index	Acc	EBV Index	EBV Index	Acc	EBV Index	Acc	EBV Index	Acc	EBV Index	EPI	Times Lambded								
Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15											
762	19	0465	762	18	0238	8.30	81	78	0.61	-0.18	0.13	1.11	-6.30	-3.35	17.07	-1.47										
86331691	762	17	0714	762	17		0222	64	107	53	96	103	34	103	36	74	53	83	54	78	39	106	100	5		
762	19	0921	762	17	0222	5.80	88	86	-0.07	-0.86	-0.89	0.23	-2.40	-2.37	8.55	-5.05										
86226453	762	14	0204	762	18	0157	81	73	65	99	53	79	85	28	97	29	92	52	89	49	89	31	116	100	10	
762	20	0070	762	18	0157	12.85	81		65	107	56	84	-0.35	1.13	5.30	3.77										
86887320	762	13	0579	762	18		0133	113	106	45	109	39	114	116	25	106	11	105	35	112	51	105	36	113		4
1298	21	0426	16	4	60	DL	1.95		0.78	0.52	0.91	1.57	0.40	1.54	-4.30	-4.04										
93283935	1298	15	0281	1298	21	0508	2.43	115	117	45	109	39	114	116	25	106	11	105	35	112	51	105	36	113		4
9114	24	0001	1413	22	0001	2.90	105	108	-0.30	0.21	0.06	0.57	0.40	0.15	-6.29	1.67										
99804353	1413	22	0044	1413	22	0044	2.90	105	108	28	96	23	106	101	19	99	12	105	22	103	23	108	16	97		3
9114	24	0002	1298	21	0426	15.07	111	103	1.15	-0.15	0.43	2.56	0.70	1.42	1.57	-1.36										
99804361	1298	20	0410	1298	21		0426	111	103	34	113	29	97	108	23	112	13	107	27	111	37	98	29	106		5
9114	24	0005	762	19	0465	2.83	99	95	0.99	-0.05	0.45	1.81	-2.60	-0.62	8.28	-3.27										
99804395	762	20	0424	762	19		0424	99	95	39	111	33	100	108	22	108	20	91	32	99	38	89	28	111		5
9114	24	0006	1298	21	0426	2.68	110	107	0.66	0.11	0.44	1.64	0.50	1.07	-1.13	-1.00										
99804403	1298	19	0076	1298	21		0426	110	107	30	107	26	104	108	19	106	14	106	25	109	31	101	24	105		4
9114	24	0007	1298	21	0426	3.38	106	102	0.75	-0.11	0.27	2.06	0.00	0.64	2.32	-1.32										
99804452	1298	19	0028	1298	21		0426	106	102	31	108	28	98	105	20	109	16	103	26	106	33	97	26	106		3
9114	24	0008	1298	21	0426	3.38	106	102	0.75	-0.11	0.27	2.06	0.00	0.64	2.31	-1.32										
99804460	1298	19	0028	1298	21		0426	106	102	31	108	28	98	105	20	109	16	103	26	106	33	97	26	106		3
9114	24	0011	1298	21	0426	2.90	109	108	0.37	0.02	0.21	1.16	1.10	1.06	0.56	-2.06										
107484065	1298	19	0044	1298	21		0044	109	108	25	104	22	101	104	17	103	10	109	20	109	26	99	21	108		3

Rams

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information					Selection Indices		EBV - Weights				EBV - Fertility									
Animal ID			Parents			% In-breeding	Logix Merit Index	Reproducti on	Wean Weight		Post-Wean	Number Weaned	TWW	AFL	ILP	Dam				
Comp no.									Dir	Mat	Comb									
									EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EBV Index	EPI Times				
			Active Breed Average:																	
9114	24	0012	1298	21	0426	2.90			0.37	0.02	0.21	1.16	1.10	1.06	0.56	-2.06	3			
	107484	0073	826	19	0044		109	108	25	104	22	101	10	109	20	109		21	108	
9114	24	0014	1298	21	0426	3.27	96	91	0.57	-0.28	0.00	1.97	-2.60	-1.28	2.64	0.01	1			
	107484	131	1413	21	0384				36	106	31	94	15	91	29	95		34	96	26
9114	24	0015	762	19	0465	6.90	94	93	0.26	0.04	0.16	0.79	-2.90	-1.45	6.65	-0.15	4			
	107484	149	1298	19	0076				36	103	30	102	21	90	30	94		32	91	23
9114	25	0003	762	19	0465	5.65	88	88	0.09	0.02	0.06	0.54	-3.70	-2.11	11.34	0.58	2			
	107484	248	9114	23	0004				36	101	30	101	19	86	30	90		31	85	22
9114	25	0005	762	19	0465	3.64	93	90	0.49	-0.07	0.17	1.12	-2.90	-1.32	8.30	0.58	2			
	1094355	37	1298	21	0065				35	105	29	99	19	90	29	95		31	89	23
9114	25	0007	762	19	0465	2.44	95	89	0.75	-0.23	0.15	1.71	-2.70	-1.10	9.35	-0.51	5			
	1094355	52	1298	20	0410				39	108	33	95	20	91	32	96		37	88	28
9114	25	0008	762	19	0465	2.44	95	89	0.75	-0.23	0.15	1.71	-2.70	-1.10	9.35	-0.51	5			
	1094355	78	1298	20	0410				39	108	33	95	20	91	32	96		37	88	28
9114	25	0010	1298	21	0426	15.07	111	103	1.15	-0.15	0.43	2.56	0.70	1.42	1.57	-1.36	5			
	111888	178	1298	20	0410				34	113	29	97	13	107	27	111		37	98	29
9114	25	0011	9114	24	0001	3.66	100	103	-0.36	0.21	0.03	0.27	-0.40	-0.39	-0.34	2.15	2			
	111888	186	9114	23	0004				22	96	18	106	9	102	17	100		20	100	13
9114	25	0012	9114	24	0001	3.66	100	103	-0.36	0.21	0.03	0.27	-0.40	-0.39	-0.34	2.15	2			
	111888	194	9114	23	0004				22	96	18	106	9	102	17	100		20	100	13
9114	25	0013	1298	21	0426	2.68	110	107	0.66	0.11	0.44	1.64	0.50	1.07	-1.13	-1.00	4			
	111888	202	1298	19	0076				30	107	26	104	14	106	25	109		31	101	24
9114	25	0015	1298	21	0426	2.68	110	107	0.66	0.11	0.44	1.64	0.50	1.07	-1.13	-1.00	4			
	111888	228	1298	19	0076				30	107	26	104	14	106	25	109		31	101	24
Ram Flock Average:							101	98	0.53	-0.06	0.20	1.42	-1.21	-0.26	3.44	-0.82				
Number of rams in the flock: 24																				

Ewes

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information					Selection Indices		EBV - Weights				EBV - Fertility									
Animal Comp no.				% In- breeding	Logix Merit Index	Repro- duction Index	Wean Weight		Post-Wean		Number Weaned		TWW		AFL		ILP		Times EPI Lamed	
							Dir	Mat	Comb											
							EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	EBV Acc	EBV Index	Phenotype
Active Breed Average:					100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15						
1298 19 0076 92362466	762 16 0352 493 15 0022	1.94	106	108	-0.10 32 99	0.25 30 107	0.20 104	0.46 17 99	0.50 19 106	0.45 28 105	-3.77 34 105	1.18 25 99	4							
1413 19 0112 88734603	762 16 0414 1413 13 0151	2.17	86	84	-0.22 49 97	-0.29 46 94	-0.40 94	0.79 35 101	-3.20 35 88	-2.43 45 89	7.26 49 91	3.85 39 91	3							
1298 20 0218 91640516	16 4 60 DL 1398 18 0028	2.11	117	112	1.36 45 115	0.09 39 103	0.77 114	2.50 30 112	1.20 16 109	2.17 36 115	0.43 54 99	-5.49 41 117	1							
1298 20 0410 91951434	16 4 60 DL 1298 16 0001	4.03	108	100	0.88 46 110	-0.27 39 94	0.17 103	2.31 30 111	0.90 16 108	1.15 36 109	1.63 51 98	0.45 41 101	5							
1298 21 0065 94340262	1298 19 0308 1298 14 0366	2.43	105	102	0.37 26 104	0.04 22 102	0.22 104	1.13 16 103	0.50 10 106	0.71 21 107	-0.47 31 100	2.62 22 95	2							
1413 21 0379 94970910	116 20 0141 116 20 0091	13.39	106	105	-0.05 16 99	-0.43 13 90	-0.45 93	0.33 11 98	2.10 5 113	0.79 12 107	-0.75 28 101	-2.14 13 108	1							
1413 21 0384 94970969	762 20 0829 762 20 0607	7.91	79	76	-0.29 53 97	-0.53 45 87	-0.68 89	1.12 32 103	-5.70 23 77	-4.24 43 78	3.79 44 95	3.18 30 93	1							
9114 23 0004 97522908	762 20 0057 1298 21 0065	2.39	95	98	-0.43 34 95	0.22 27 106	0.00 100	-0.03 21 96	-1.20 13 98	-0.93 26 97	5.61 31 93	2.63 20 95	2							
9114 24 0009 107484040	762 19 0465 1298 20 0410	2.44	95	89	0.75 39 108	-0.23 33 95	0.15 103	1.71 23 107	-2.70 20 91	-1.10 32 96	9.35 37 88	-0.51 28 103	0							
9114 24 0016 107484156	1298 21 0426 1413 19 0112	2.63	100	95	0.60 35 106	-0.16 32 97	0.14 103	1.80 24 107	-1.40 20 97	-0.40 30 100	4.38 36 94	0.34 29 101	0							
9114 25 0004 109440354	9114 21 0003 1298 20 0218	3.10	111	111	0.68 30 107	0.29 27 108	0.63 111	1.28 21 104	0.40 13 105	1.20 25 110	-1.28 32 101	-3.00 24 110	0							
9114 25 0006 109435545	762 19 0465 1298 21 0065	3.64	93	90	0.49 35 105	-0.07 29 99	0.17 103	1.12 19 103	-2.90 19 90	-1.32 29 95	8.30 31 89	0.58 23 100	0							
	Ewe flock average: Total ewes in flock: 12				100	98	0.34	-0.09	0.08	1.21	-0.96	-0.33	2.87	0.31						

Sires Used in Flock

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information			Parents & Progeny					Selection Indices		EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation		2nd Generation		Logix Merit Index	Reprod Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam		
			Progeny Number y	Herds	Progeny Number Weaned	Herds			Dir EBV Acc Index	Mat EBV Acc Index	Comb EBV Index	EBV Acc Index							
		Active Breed Average:						100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15		
1	762 16 0352 79104386	6.90	762 12 0564 762 14 0576			1	1	106	105	0.46 63 105	0.41 56 111	0.64 111	1.41 34 105	-0.50 38 101	0.57 55 106	-1.49 64 102	2.63 45 95	92	2
2	762 16 0414 79103727	5.14	762 12 0564 762 14 0190	237	2	43	2	68	57	0.23 97 102	-0.65 91 85	-0.53 91	2.08 70 109	-8.10 71 65	-5.28 89 72	15.87 92 80	9.50 77 76	109	4
3	IMPA 16 460 82909680	3.32	15 9 61 6DJL 12 0 01 8DL	28	1	5	2	128	115	2.82 89 131	0.19 76 106	1.60 128	4.89 59 128	1.90 32 112	4.16 71 127	1.57 93 98	-5.04 76 116		1
4	762 17 0222 80894090	6.50	762 15 0616 762 10 0018	130	3	23	2	92	71	2.21 94 125	-1.21 81 71	-0.10 99	3.75 45 120	-4.30 44 83	-1.57 77 93	8.36 79 89	0.63 45 100	68	9
5	430 18 0050 82910027	1.97	16 4 60 DL 430 16 0072	13	2	17	3	125	129	1.37 86 115	1.05 76 127	1.74 130	2.56 50 112	0.50 21 106	2.72 67 118	-6.60 88 108	-7.28 68 122		4
6	762 18 0157 82046301	5.82	762 16 0414 762 14 0063	220	1	40	1	84	79	0.61 97 107	-0.23 90 95	0.08 102	1.02 70 102	-5.60 63 77	-2.97 86 85	7.74 92 90	2.94 72 94	82	4
7	762 18 0238 82047341	6.30	762 16 0414 762 14 0252	70	2	24	3	65	64	-0.22 91 97	-0.45 80 90	-0.55 91	-0.54 54 92	-11.20 54 64	-7.38 78 60	21.22 80 73	1.85 58 97	106	9
8	1298 19 0308 91950683	2.10	16 4 60 DL 1298 11 0201					110	102	1.04 49 111	0.04 41 102	0.56 110	2.39 30 111	0.60 17 106	1.43 39 111	1.08 58 98	2.14 42 96		2
9	762 19 0465 86331691	8.30	762 18 0238 762 17 0714			1	1	81	78	0.61 64 107	-0.18 53 96	0.13 103	1.11 34 103	-6.30 36 74	-3.35 53 83	17.07 54 78	-1.47 39 106	100	5
10	762 20 0057 86884616	2.95	762 18 0307 762 09 0268					84	93	-1.22 63 86	0.39 49 111	-0.22 97	-1.18 40 88	-2.90 24 90	-2.57 49 88	11.70 55 85	2.64 33 95	97	12
11	116 20 0141 91251629	5.21	116 19 0035 116 17 0046					105	106	-0.34 17 96	-0.33 17 93	-0.50 92	-0.05 9 95	2.00 5 113	0.53 14 106	-1.43 43 102	-1.66 18 106		4
12	762 20 0829 90545377	6.71	762 18 0648 762 16 0448	21	2	18	2	89	87	-0.13 84 98	-0.43 72 90	-0.50 92	1.16 55 103	-3.90 34 85	-2.90 68 86	-8.98 74 111	4.05 49 91	121	6
13	9114 21 0003 96046958	3.39	762 17 0448 1610 19 0168					105	110	-0.01 40 100	0.49 37 113	0.49 109	0.06 30 96	-0.40 21 102	0.24 34 104	-2.98 34 104	-0.51 25 103		7

Sires Used in Flock

*Inbreeding in red is high

EBV - Estimated Breeding Value

Indices ≥ 124
Above breed average
Indices ≤ 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny				Selection Indices		EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation		2nd Generation		Logix Merit Index	Reprod Index	Weaning Weight		Post-Wean		Number Weaned	TWW	AFL	ILP	Dam
			Progeny Number	Herds	Progeny Number	Herds			Dir	Mat	Comb						
									Acc	Index	Acc	Index	Acc	Index	Acc	Index	EPI Times
									Acc	Index	Acc	Index	Acc	Index	Acc	Index	Lamb
			Active Breed Average:				100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
14	1298 21 0426 93283935	1.95	16 4 60 DL 1298 15 0281				113	106	1.42 50	-0.03 116	0.68 112	2.81 34	0.50 20	1.69 41	1.50 52	-3.17 42	1
15	1413 22 0001 94970985	6.38	762 18 0648 959 20 0082				106	106	0.08 55	0.33 101	0.37 107	1.64 38	-0.90 23	-0.13 44	-12.20 46	4.27 115	4
16	9114 24 0001 99804353	2.90	1413 22 0001 826 19 0044				105	108	-0.30 28	0.21 23	0.06 101	0.57 19	0.40 12	0.15 22	-6.29 103	1.67 23	3
			Sire Flock Average: Number of sires used in the flock: 16				98	95	0.54	-0.02	0.25	1.48	-2.39	-0.92	2.88	0.83	

Ram Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny			Selection Indices		EBV - Weights				EBV - Fertility							
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation	2nd Generation	Logix Merit Index	Repro- duction Index	Weaning Weight		Post-Wean		Number Weaned	TWW		AFL	ILP		Dam	
			Progeny Number	Progeny Number			Dir	Mat	Comb									
			Weaned Herds	Weaned Herds														
		Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15				
1	1298 21 0508 93337301	2.43	430 18 0050 398 15 0133		115	117	0.78 45	0.52 109	0.91 39	1.57 114	0.40 11	1.54 35	-4.30 105	-4.04 36		4		
2	1298 21 0426 93283935	1.95	16 4 60 DL 298 15 0281		113	106	1.42 50	-0.03 116	0.68 44	2.81 100	0.50 20	1.69 41	1.50 112	-3.17 98		1		
3	9114 24 0002 99804361	15.07	298 21 0426 298 20 0410		111	103	1.15 34	-0.15 113	0.43 29	2.56 97	0.70 13	1.42 27	1.57 111	-1.36 98		5		
4	9114 25 0010 111888178	15.07	298 21 0426 298 20 0410		111	103	1.15 34	-0.15 113	0.43 29	2.56 97	0.70 13	1.42 27	1.57 111	-1.36 98		5		
5	9114 25 0015 111888228	2.68	298 21 0426 298 19 0076		110	107	0.66 30	0.11 107	0.44 26	1.64 104	0.50 14	1.07 25	-1.13 109	-1.00 31		4		
6	9114 24 0006 99804403	2.68	298 21 0426 298 19 0076		110	107	0.66 30	0.11 107	0.44 26	1.64 104	0.50 14	1.07 25	-1.13 109	-1.00 31		4		
7	9114 25 0013 111888202	2.68	298 21 0426 298 19 0076		110	107	0.66 30	0.11 107	0.44 26	1.64 104	0.50 14	1.07 25	-1.13 109	-1.00 31		4		
8	9114 24 0012 107484073	2.90	298 21 0426 826 19 0044		109	108	0.37 25	0.02 104	0.21 22	1.16 101	1.10 10	1.06 20	0.56 109	-2.06 26		3		
9	9114 24 0011 107484065	2.90	298 21 0426 826 19 0044		109	108	0.37 25	0.02 104	0.21 22	1.16 101	1.10 10	1.06 20	0.56 109	-2.06 26		3		
10	9114 24 0007 99804452	3.38	298 21 0426 298 19 0028		106	102	0.75 31	-0.11 108	0.27 28	2.06 98	0.00 16	0.64 103	2.32 26	-1.32 106		3		
11	9114 24 0008 99804460	3.38	298 21 0426 298 19 0028		106	102	0.75 31	-0.11 108	0.27 28	2.06 98	0.00 16	0.64 103	2.31 26	-1.32 106		3		
12	9114 24 0001 99804353	2.90	413 22 0001 826 19 0044		105	108	-0.30 28	0.21 96	0.06 23	0.57 106	0.40 12	0.15 22	-6.29 103	1.67 23		3		
13	9114 25 0011 111888186	3.66	1114 24 0001 1114 23 0004		100	103	-0.36 22	0.21 96	0.03 18	0.27 106	-0.40 9	-0.39 17	-0.34 100	2.15 20		2		
14	9114 25 0012 111888194	3.66	1114 24 0001 1114 23 0004		100	103	-0.36 22	0.21 96	0.03 18	0.27 106	-0.40 9	-0.39 17	-0.34 100	2.15 20		2		
15	9114 24 0005 99804395	2.83	762 19 0465 298 20 0424		99	95	0.99 39	-0.05 111	0.45 33	1.81 100	-2.60 20	-0.62 32	8.28 99	-3.27 38		5		

Ram Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
EBVs with an accuracy below 5% are not printed

Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents & Progeny				Selection Indices		EBV - Weights				EBV - Fertility					
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	1st Generation	2nd Generation	Logix Merit Index	Repro- duction Index	Weaning Weight				Post-Wean	Number Weaned	TWW	AFL	ILP	Dam	
			Progeny Number Weaned Herds	Progeny Number Weaned Herds			Dir	Mat	Comb								
			EBV Acc Index	EBV Acc Index			EBV Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EBV Acc Index	EPI	Times Lamb			
			Active Breed Average:		100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15			
16	9114 24 0014 107484131	3.27	298 21 0426 413 21 0384		96	91	0.57 36	-0.28 31	0.00 100	1.97 23	-2.60 15	-1.28 29	2.64 34	0.01 26		1	
17	9114 25 0007 109435552	2.44	762 19 0465 298 20 0410		95	89	0.75 39	-0.23 33	0.15 103	1.71 23	-2.70 20	-1.10 32	9.35 37	-0.51 28		5	
18	9114 25 0008 109435578	2.44	762 19 0465 298 20 0410		95	89	0.75 39	-0.23 33	0.15 103	1.71 23	-2.70 20	-1.10 32	9.35 37	-0.51 28		5	
19	9114 24 0015 107484149	6.90	762 19 0465 298 19 0076		94	93	0.26 36	0.04 30	0.16 103	0.79 19	-2.90 21	-1.45 30	6.65 32	-0.15 23		4	
20	9114 25 0005 109435537	3.64	762 19 0465 298 21 0065		93	90	0.49 35	-0.07 29	0.17 103	1.12 19	-2.90 19	-1.32 29	8.30 31	0.58 23		2	
21	762 19 0921 86226453	5.80	762 17 0222 762 14 0204		88	86	-0.07 65	-0.86 53	-0.89 85	0.23 28	-2.40 29	-2.37 52	8.55 49	-5.05 31		100 10	
22	9114 25 0003 107484248	5.65	762 19 0465 1114 23 0004		88	88	0.09 36	0.02 30	0.06 101	0.54 20	-3.70 19	-2.11 30	11.34 31	0.58 22		2	
23	762 19 0465 86331691	8.30	762 18 0238 762 17 0714	1 1	81	78	0.61 64	-0.18 53	0.13 103	1.11 34	-6.30 36	-3.35 53	17.07 54	-1.47 39		100 5	
24	762 20 0070 86887320	12.85	762 18 0157 762 13 0579		81	73	0.61 65	-0.66 56	-0.35 94	1.13 38	-5.90 34	-3.59 54	5.30 54	3.77 42		123 7	

Ewe Selection List: LMI

Animals sorted on LMI

Inbreeding in red is high

EBV - Estimated Breeding Value

Indices >=124
Above breed average
Indices <= 76

Acc: Accuracy of the breeding value
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Index: Expresses the EBV around 100 where 100 is set as the average EBV of active animals

Animal Information		Parents	Selection Indices		EBV - Weights				EBV - Fertility				
Animal ID Computer nr	% In-breeding	Sire ID Dam ID	Logix Merit Index	Repro- duction Index	Dir EBV Acc	Weaning Weight Mat EBV Acc	Comb EBV Acc	Post-Wean EBV Acc	Number Weaned EBV Acc	TWW EBV Acc	AFL EBV Acc	ILP EBV Acc	EPI Phenotype
Active Breed Average:			100	100	-0.06	-0.02	-0.06	0.50	-0.36	-0.31	-0.30	0.15	
1 1298 20 0218 91640516	2.11	16 4 60 DL 1398 18 0028	117	112	1.36 45	0.09 39	0.77 114	2.50 30	1.20 16	2.17 36	0.43 54	-5.49 41	1
2 9114 25 0004 109440354	3.10	9114 21 0003 1298 20 0218	111	111	0.68 30	0.29 27	0.63 111	1.28 21	0.40 13	1.20 25	-1.28 32	-3.00 24	0
3 1298 20 0410 91951434	4.03	16 4 60 DL 1298 16 0001	108	100	0.88 46	-0.27 39	0.17 103	2.31 30	0.90 16	1.15 36	1.63 51	0.45 41	5
4 1413 21 0379 94970910	13.39	116 20 0141 116 20 0091	106	105	-0.05 16	-0.43 13	-0.45 93	0.33 11	2.10 5	0.79 12	-0.75 28	-2.14 13	1
5 1298 19 0076 92362466	1.94	762 16 0352 493 15 0022	106	108	-0.10 32	0.25 30	0.20 104	0.46 17	0.50 19	0.45 28	-3.77 34	1.18 25	4
6 1298 21 0065 94340262	2.43	1298 19 0308 1298 14 0366	105	102	0.37 26	0.04 22	0.22 104	1.13 16	0.50 10	0.71 21	-0.47 31	2.62 22	2
7 9114 24 0016 107484156	2.63	1298 21 0426 1413 19 0112	100	95	0.60 35	-0.16 32	0.14 103	1.80 24	-1.40 20	-0.40 30	4.38 36	0.34 29	0
8 9114 24 0009 107484040	2.44	762 19 0465 1298 20 0410	95	89	0.75 39	-0.23 33	0.15 103	1.71 23	-2.70 20	-1.10 32	9.35 37	-0.51 28	0
9 9114 23 0004 97522908	2.39	762 20 0057 1298 21 0065	95	98	-0.43 34	0.22 27	0.00 100	-0.03 21	-1.20 13	-0.93 26	5.61 31	2.63 20	2
10 9114 25 0006 109435545	3.64	762 19 0465 1298 21 0065	93	90	0.49 35	-0.07 29	0.17 103	1.12 19	-2.90 19	-1.32 29	8.30 31	0.58 23	0
11 1413 19 0112 88734603	2.17	762 16 0414 1413 13 0151	86	84	-0.22 49	-0.29 46	-0.40 94	0.79 35	-3.20 35	-2.43 45	7.26 49	3.85 39	3
12 1413 21 0384 94970969	7.91	762 20 0829 762 20 0607	79	76	-0.29 53	-0.53 45	-0.68 89	1.12 32	-5.70 23	-4.24 43	3.79 44	3.18 30	1